

U.S. Parent Application Serial No. 10/658,829
Reply to Office Action dated April 5, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A conveyor apparatus, comprising:

a conveyor transporting articles having a direction of travel from a receiving end to a delivery end;

a cleaner separator assembly proximate the delivery end for removing debris from the transported articles, wherein the cleaner separator assembly comprises first and second rotating brushes having an axis of rotation substantially transverse to the conveyor direction of travel.

2. (Original) A conveyor apparatus according to claim 1, wherein the brushes travel in the same direction as the conveyor.

3. (Original) A conveyor apparatus according to claim 1, wherein the conveyor comprises a plurality of spaced apart cleats transverse to the direction of travel.

4. (Original) A conveyor apparatus according to claim 1, wherein the brushes are parallel.

5. (Currently Amended) A conveyor apparatus according to claim 5, wherein the first brush is nearer the conveyor than the second brush and wherein the second brush is higher than the first brush.

6. (Currently Amended) A conveyor apparatus according to claim 1, further comprising a bar roller parallel to the first and second brushes.

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7. (Original) A conveyor apparatus according to claim 6, wherein the first brush is nearer the conveyor and wherein the roller has an axis below and further from the conveyor than the second brush.
8. (Original) A conveyor apparatus according to claim 1, further comprising a catch panel below the brushes sloping toward the conveyor.
9. (Original) A conveyor apparatus according to claim 8, wherein at least one of the brushes is in contact with the catch panel.
10. (Original) A conveyor apparatus according to claim 8, wherein the brushes are in contact with one another.
11. (Currently Amended) A conveyor apparatus according to claim 1, wherein the first brush is in contact with the conveyor and the second brush is spaced apart from the conveyor.
12. (Cancelled) An agricultural harvester apparatus for an agricultural crop, comprising:
 - a crop removal system for removing crop from vegetation;
 - a first conveyor transporting removed crop;
 - a cleaner assembly at an end of the conveyor and near an edge of the harvester, the harvester assembly comprising two substantially parallel brushes rotating away from the conveyor and toward the edge.
13. (Cancelled) An agricultural harvester apparatus according to claim 12, wherein the harvester comprises a second conveyor traveling below the cleaner assembly.
14. (Cancelled) An agricultural harvester apparatus according to claim 13, wherein the second conveyor is transverse to the first conveyor.

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15. (Cancelled) A method of removing unwanted matter from a harvested crop, the crop having a mean diameter, the method comprising:

providing a conveyor transported foliage and crop from the vegetation;
positioning first and second parallel brushes proximate a delivery end of the conveyor;
rotating the brushes in a direction away from the conveyor, allowing crop to fall below the brushes and propelling unwanted matter over the brushes.

16. (Cancelled) A method according to claim 15, wherein the first brush is nearer the conveyor and wherein the second brush is higher than the first brush.

17. (Cancelled) A method according to claim 15, further comprising a roller parallel to the first and second brushes.

18. (Cancelled) A method according to claim 17, wherein the first brush is nearer the conveyor and wherein the roller has an axis below and further from the conveyor than the second brush.

19. (Cancelled) A method according to claim 15, wherein the first and second brushes are in contact with one another.

20. (Cancelled) A method according to claim 19, wherein the first brush is in contact with the conveyor.

21. (New) A conveyor apparatus according to claim 1, wherein the brushes are spaced from the conveyor and from one another so that the articles may pass between the conveyor and the brushes and between the brushes.

22. (New) A conveyor apparatus, comprising:

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a conveyor transporting articles having a direction of travel from a receiving end to a delivery end;

a separator assembly proximate the delivery end for removing debris from the transported articles, wherein the separator assembly comprises first and second rotating brushes having an axis of rotation substantially transverse to the conveyor direction of travel and positioned beyond the delivery end.

23. (New) A conveyor apparatus according to claim 1, wherein the first brush is in contact with the conveyor and the second brush is spaced apart from the conveyor.

24. (New) A conveyor apparatus, comprising:

a conveyor transporting articles having an upper delivery run and a lower return run and a direction of travel along the upper run from a receiving end to a delivery end;

a separator assembly proximate the delivery end for removing debris from the transported articles, wherein the separator assembly comprises first and second rotating brushes having an axis of rotation substantially transverse to the conveyor direction of travel and positioned beyond the delivery end; wherein one of the brushes contacts the conveyor prior to the lower return run.

25. (New) A conveyor apparatus according to claim 24, wherein the second brush is spaced apart from the conveyor.